



## DEVELOPMENTS IN RESIN FINISHING – PART VI

REF: TT/ NOVEMBER 2020 / WK 2

### Resin finishing beyond easy care

- a) **Resin Finishing on denim** - Unlike regular resin finishing done for easy care or wrinkle free, this finishing is carried out on denim to form wrinkles or crinkling. Resin is also used for achieving 3-D effect, rigid look, on denims. This is a dry process and is done by spraying or dipping the garment in a solution containing resin, catalyst, silicone and PU solution as per the recommended dosage. Crushed look can be given to the whole garment by resin dip and crushed manually followed by oven curing. Then the garment is dried and then cured at recommended temperature. If resin is not cured properly, 3-D effect will not be permanent and may cause skin irritation to the wearer.

Silicone plays an important role in getting softer hand. This finishing, however, comes with some changes in physical properties of the denim such as stiffness, weight loss due to abrasion, tensile strength etc.



Fig 1.1 Resin finishing on denim

Ref: denimsandjeans.com

#### ***Crinkling in denim***

- Crinkling is to create wrinkles in the specific position of the denim.
- The wrinkles are created using resin.



b) **Resin finishing on dresses like skirts** - Resins can modify hand of fabric and can produce different effects on it. These effects can range from soft full hand to stiff and thus provide versatility to the fabrics. By resin finishing, a loosely woven fabric, which is very limp can be converted into stiff fabric. The stiffness can further be modified by imparting a certain degree of flexibility by having internal or external plasticisation.

During the application of resin, Polyethylene emulsion, silicone softener, ionic or non-ionic softeners are also added into the recipe. These auxiliaries impart softness to textiles. Resiliency can be imparted to a fabric by applying different copolymer emulsions.

Polyvinyl acetate emulsion and their co-polymer impart body, weight, and also produce full, firm hand or soft full hand or stiff hand. Hand that can be obtained from polymers of acrylates and their co-polymers with various other monomers may range from very soft to firm to relatively stiff and; from thin to very full in body. The change in hand and body will cause change in draping quality of fabric which can be utilised to alter drape of skirt type garment. A skirt is a good example of draped garment. Skirt is worn at waistline; this demands proper fitting at waistline which comes from right drape in the garment.

.....To be continued.....

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UNSCRAMBLE THE JUMBLE WORDS
INGRAYSP
PARDE
FFSTINESS
KIRTS

Last week`s Answers: 1) AUXILIARIES 2) SURFACTANT 3) FIBER 4) SPECIMEN

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